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# DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

☐ Declaration Submitted with Initial Filing OR ☒ Declaration submitted after Initial Filing

Attorney Docket Number 200141

First Named Inventor Hong-Goo Kang

## COMPLETE IF KNOWN

Application Number 09/834391

Filing Date 04/13/2001

Group Art Unit 2644

Examiner Name

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Adaptive Short-Term Post-Filters For Speech Coders

(Title of Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on 04/13/2001 as United States Application Number or PCT International

Application Number 09/834391

and was amended on

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of an application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto
60/197877	04/17/2000	

SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231

Attorney Docket Number: 2000-0141

**DECLARATION - Utility or Design Patent Application**

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT International application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

☐ Customer Number

Place Customer Number Bar  
Code Label here

OR

☒ Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number
CANAVAN, Robert T.	37592	CONOVER, Michele L.	34962
DELACRUZ, Cedric G	36498	DWORETSKY, Samuel H.	27873
GARG, Rohini K	45272	ISAACSON, Thomas M.	44166
LEE, Benjamin S.	42787	LEVY, Robert B.	28234
MCGAHAN, Susan E.	35948	MONKA, Gary H.	35290

☒ I also appoint the following additional registered practitioner(s) named on the Registered Practitioner Information (Supplemental Sheet) (PTO/SB/02C modified by AT&T Corp.) attached hereto with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

Direct all phone inquiries to: Isaacson, Thomas M. 410-257-5485

Direct all written correspondence to:

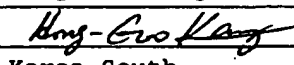
☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

NAME	Samuel H. Dworetsky				
ADDRESS	AT&T CORP. P.O. Box 4110				
CITY	Middletown	STATE	New Jersey	ZIP CODE	07748-4110
COUNTRY	United States of America			FAX	732-368-6932

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Name	Hong-Goo Kang		
Signature		Date	8/6/2001
Citizenship	Korea South		
Address (line 1)	149 N. Hillside Avenue		
Address (line 2)	Chatham		
Address (line 3)	Morris County		
Address (line 4)	New Jersey		
Address (line 5)	USA		
Zip Code	07928		

☒ Additional Inventors are being named on the 1 separately numbered sheets attached hereto

SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

Attorney Docket Number: 2000-0141

**DECLARATION****ADDITIONAL INVENTOR(S)**  
**Supplemental Sheet**  
**Pag 1 of 1**

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
<b>Name</b>	Hong Kook Kim		
<b>Signature</b>	<i>Hong Kook Kim</i>	<b>Date</b>	08-06-2001
<b>Citizenship</b>	Korea South		
<b>Address (line 1)</b>	25 Hickory Place, Apartment H-3		
<b>Address (line 2)</b>	Chatham		
<b>Address (line 3)</b>	Morris County		
<b>Address (line 4)</b>	New Jersey		
<b>Address (line 5)</b>	USA		
<b>Zip Code</b>	07928		
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
<b>Name</b>			
<b>Signature</b>		<b>Date</b>	
<b>Citizenship</b>			
<b>Address (line 1)</b>			
<b>Address (line 2)</b>			
<b>Address (line 3)</b>			
<b>Address (line 4)</b>			
<b>Address (line 5)</b>			
<b>Zip Code</b>			
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
<b>Name</b>			
<b>Signature</b>		<b>Date</b>	
<b>Citizenship</b>			
<b>Address (line 1)</b>			
<b>Address (line 2)</b>			
<b>Address (line 3)</b>			
<b>Address (line 4)</b>			
<b>Address (line 5)</b>			
<b>Zip Code</b>			
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
<b>Name</b>			
<b>Signature</b>		<b>Date</b>	
<b>Citizenship</b>			
<b>Address (line 1)</b>			
<b>Address (line 2)</b>			
<b>Address (line 3)</b>			
<b>Address (line 4)</b>			
<b>Address (line 5)</b>			
<b>Zip Code</b>			

SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

## DECLARATION

## Name \_\_\_\_\_

Name

NAVON, Jeffrey M  
STEINMETZ, Alfred G.  
ZIEROTH, Lee W.

32711
22971
28550

RESTAINO, Thomas A.  
SZWERC, Christine

33444  
43177

**SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231**

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

**Declaration and Power of Attorney**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **Adaptive Short-Term Post-Filters For Speech Coders**, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119(a-d) or 365(a-b) of PCT or foreign application(s) for patent or inventors' certificate listed below or priority benefits under 119(e) of any United States provisional application(s) listed below and have also identified below any foreign application for patent or inventors' certificate having a filing date before that of the application on which priority is claimed:

**U.S. Provisional Application Serial No. 60/197,877 filed April 17, 2000**

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, we acknowledge the duty to disclose all information known to us to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

**None**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Samuel H. Dworetsky	(Reg. No. 27873)	Benjamin S. Lee	(Reg. No. 42787)
Thomas A. Restaino	(Reg. No. 33444)	Robert B. Levy	(Reg. No. 28234)
Robert T. Canavan	(Reg. No. 37592)	Susan E. McGahan	(Reg. No. 35948)
Michele L. Conover	(Reg. No. 34962)	Gary H. Monka	(Reg. No. 35290)
Cedric G. DeLaCruz	(Reg. No. 36498)	Jeffrey M. Navon	(Reg. No. 32711)
Rohini K. Garg	(Reg. No. 45272)	Alfred G. Steinmetz	(Reg. No. 22971)
Gregory J. Gorrie	(Reg. No. 36530)	Christine Szwerc	(Reg. No. 43177)
Thomas M. Isaacson	(Reg. No. 44166)	Lee W. Xieroth	(Reg. No. 28550)

I also appoint James A. Oliff (Reg. No. 27075), William P. Berridge (Reg. No. 30024), Kirk M. Hudson (Reg. No. 27562), Thomas J. Pardini (Reg. No. 30411), Paul Tsou (Reg. No. 37956) and Bud Y. Mathis (Reg. No. 44907) of Oliff & Berridge as associate attorneys, with full power to prosecute said application, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office connected therewith.

Please address all correspondence to Mr. S. H. Dworetsky, AT&T Corp., P.O. Box 4110, Middletown, New Jersey 07748. Telephone calls should be made to Thomas M. Isaacson at 410-257-5485.

Full name of 1<sup>st</sup> joint inventor: Hong-Goo KANG

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: Chatham, Morris County, New Jersey

Citizenship: South Korea

Post Office Address: 25 Hickory Place, Apt. D-11  
Chatham, New Jersey 07928

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

**Citizenship:** South Korea

Post Office Address: 25 Hickory Place, Apt. H-3  
Chatham, New Jersey 07928





**UNITED STATES DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**  
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*2000-01/41*

OCTOBER 30, 2001

PTAS



\*101828301A\*

AT&T CORP.  
SAMUEL H. DWORETSKY  
P.O. BOX 4110  
MIDDLETOWN, NEW JERSEY 07748-4110

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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/16/2001

REEL/FRAME: 012111/0027  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
KANG, HONG-GOO

DOC DATE: 08/07/2001

ASSIGNOR:  
KIM, HONK KOOK

DOC DATE: 08/07/2001

ASSIGNEE:  
AT&T CORP.  
32 AVENUE OF THE AMERICAS  
NEW YORK, NEW YORK 10013-2412

SERIAL NUMBER: 09834391  
PATENT NUMBER:

FILING DATE: 04/13/2001  
ISSUE DATE:

KIMBERLY WHITE, EXAMINER  
ASSIGNMENT DIVISION  
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8-30-2001

PTO-1618A MODIFIED BY AT&T CORP.

Docket Number: 2000-0141



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8-16-01

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**Conveying Party(ies)**

☐ Mark if additional names of conveying parties attached

Name (line 1)      Kang, Hong-Goo

Name (line 2)

Execution Date

MMDDYYYY

08/07/2001

**Second Party**

Name (line 1)      Kim, Hong Kook

Name (line 2)

Execution Date

MMDDYYYY

08/07/2001

**Receiving Party**

☐ Mark if additional names of receiving parties attached

Name (line 1)      AT&T Corp.

Name (line 2)

Address (line 1)      32 Avenue of the Americas

Address (line 2)      New York, New York 10013-2412

Address (line 3)      United States of America

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Docket Number: 2000-0141

Page 2

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Patent and Trademark Office  
**PATENT****CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence address below

<b>NAME</b>	Samuel H. Dworesky				
<b>ADDRESS</b>	AT&T CORP. P.O. Box 4110				
<b>CITY</b>	Middletown	<b>STATE</b>	New Jersey	<b>ZIP CODE</b>	07748-4110
<b>COUNTRY</b>	United States of America			<b>FAX</b>	732-368-6932

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

<b>Patent Application Number(s)</b>	<b>Patent Number(s)</b>
09/834391	

If this document is being filed with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number  
only if a U.S. Application Number  
has not been assigned.

**Number of Properties**

Enter the total number of properties involved. # 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$40.00

Method of Payment :

Enclosed ☐ Deposit Account ☒

**Deposit Account**

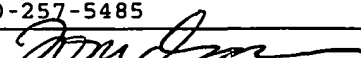
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Deposit Account Number: 01-2745

Authorization to charge additional fees: ☒ Yes ☐ No

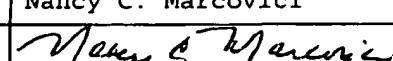
**STATEMENT AND SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

<b>NAME</b>	Thomas M. Isaacson		
<b>TELEPHONE</b>	410-257-5485		
<b>SIGNATURE</b>		<b>DATE</b>	8-14-01

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: 8-14-01

<b>Type or Printed Name</b>	Nancy C. Marcovici		
<b>Signature</b>		<b>Date</b>	8-14-01

SEND TO: Assistant Commissioner for Patents, Box Assignments, Washington, D.C. 20231

## ASSIGNMENT AND AGREEMENT

For value received, each of the undersigned, Hong-Goo Kang of Chatham in the County of Morris and State of New Jersey, and Hong Kook Kim of Chatham in the County of Morris and State of New Jersey, hereby sells, assigns and transfers to AT&T Corp., a corporation of the State of New York, having an office at 32 Avenue of the Americas, New York, New York 10013-2412, United States of America, and its successors, assignees and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to

### **Adaptive Short-Term Post-Filters For Speech Coders**

described in an application for Letters Patent for the United States of America, for which an application for a United States Patent was filed on 04/13/2001 Application Number 09/834391, and all the rights and privileges in said application and in the provisional application filed on 4/17/2000 Application Number 60/197,877 and under any and all Letters Patent that may be granted in the United States for said inventions; and the undersigned also concurrently hereby sell, assign and transfer to AT&T Corp. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

The undersigned authorize AT&T Corp. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from the undersigned, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

The undersigned hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of AT&T Corp. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

The undersigned request that any and all patents for said inventions be issued to AT&T Corp. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Corp. may designate.

The undersigned agree that, when requested, the undersigned shall, without charge to AT&T Corp. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Hong Kook Kim  
Hong Kook Kim

Date: 8/7/01

United States of America )

State of New Jersey ) ss.:

County of Morris )

On this 7<sup>th</sup> day of August, 2001 before me personally came Hong Kook Kim, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

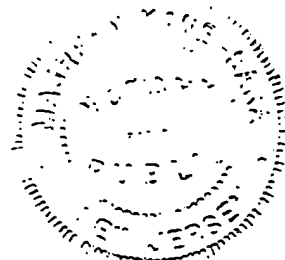
Maureen Kane-Sara  
Notary Public

AT&T CORP.

P.O. Box 4110

Middletown, New Jersey 07748-4110

MAUREEN KANE-SARA  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires 2004



Hong-Goo Kang  
Hong-Goo Kang

Date: 8/7/01

United States of America )

State of New Jersey ) ss.:

County of Morris )

On this 7 day of August, 2001 before me personally came Hong-Goo Kang, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Maureen Kane-Sara  
Notary Public

AT&T CORP.

P.O. Box 4110

Middletown, New Jersey 07748-4110

MAUREEN KANE-SARA  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires 2004

